



PTO/SB/08a (01-08)

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/652,864-Conf. #1487
		Filing Date	August 29, 2003
		First Named Inventor	Heinz Kohler
		Art Unit	1643
		Examiner Name	A. Gussow
Sheet 1 of 7	Attorney Docket Number	IXS-10002/49	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind-Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-6,566,388	05-20-2003	Weber et al.	
	AB*	US-5,807,748	09-15-1998	Lin et al.	
	AC*	US-6,620,782	09-16-2003	Cai et al.	
	AD*	US-6,596,693	07-22-2003	Keana et al.	
	AE*	US-6,312,694	11-06-2001	Thorpe et al.	
	AF*	US-6,287,537	09-11-2001	Kaminski et al.	
	AG*	US-6,426,413	07-30-2002	Wannamaker et al.	
	AH*	US-6,228,603	05-06-2001	Reed et al.	
	AI*	US-6,821,274	11-23-2004	McHale et al.	
	AJ*	US-6,762,045	07-13-2004	Krebs et al.	
	AK*	US-6,432,680	08-13-2000	Lin et al.	
	AL*	US-6,248,558	06-19-2001	Lin et al.	
	AM*	US-5,219,996	06-15-1993	Bodmer et al.	
	AN*	US-5,191,066	03-02-1993	Bienert et al.	
	AO*	US-6,218,160	04-17-2001	Duan	
	AP*	US-6,716,410	04-06-2004	Witzum et al.	
	AQ*	US-6,780,605	08-24-2004	Frostegard et al.	
	AR*	US-20030143226	07-31-2003	Kobayashi et al.	
	AS*	US-20050033033	02-10-2005	Kohler et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	WO-9620219	07-04-1996	Univ Kentucky et al.	
	BB	WO-9617625	06-13-1996	Lynxvale Ltd et al.	
	BC	WO-9914244	03-25-1999	Kohler Heinz	

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		Number-Kinds Code* (If Known)			
	AT*	US-5,276,170	01-04-1994	Kirk et al.	
	AU*	US-5,596,081	01-21-1997	Haley et al.	
	AV*	US-5,563,046	10-08-1996	Mascarenhas et al.	
	AW*	US-5,645,835	07-08-1997	Fell, Jr. et al.	
	AX*	US-5,698,679	12-16-1997	Nemazee	
	AY*	US-5,763,733	06-09-1998	Whitlow et al.	
	AZ*	US-5,811,265	06-22-1998	Quertermous et al.	
	AA1*	US-5,908,626	06-01-1999	Chang et al.	
	AB1*	US-5,969,109	10-19-1999	Bona et al.	
	AC1*	US-6,008,319	12-28-1999	Epstein et al.	
	AD1*	US-6,117,656	09-12-2000	Seed	
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	AF1*	US-6,121,424	09-19-2000	Whitlow et al.	
	AG1*	US-6,132,992	10-17-2000	Leckert et al.	
	AH1*	US-6,207,804	03-27-2001	Hinton et al.	
	AI1*	US-6,224,870	05-01-2001	Segal	
	AJ1*	US-5,314,995	05-24-1994	Fell, Jr. et al.	
	AK1*	US-5,677,171	10-14-1997	Hudziak et al.	
	AL1*	US-6,043,339	03-28-2000	Lin et al.	

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		Examiner Name	A. Gussow
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
CA		Binder, M., F. Otto, R. Mertelsmann, H. Veelken, and M. Trepel. "The epitope recognized by rituximab." <i>Blood</i> 2006, vol. 108, no. 6, pp.1975-1978.	
CB		Braendstrup, P., G.W. Bjerrum, O.J. Nielsen, B.A. Jensen, N.T. Clausen, P.B. Hansen, I. Andersen, K. Schmitt, T.M. Andersen, N.A. Peterslund, H.S. Birgens, T. Plesner, B.B. Pedersen, and H.C. Fresselbach. "Rituximab Chimeric Anti-CD20 Monoclonal Antibody Treatment for Adult Refractory Idiopathic Thrombocytopenic Purpura." <i>American Journal of Hematology</i> 2005, vol. 78, pp. 275-280.	
CC		Burton, C., R. Kaczmarek, R. Jan-Mohamed. "Interstitial Pneumonitis Related to Rituximab Therapy." <i>The New England Journal of Medicine</i> 2003, vol. 348, no. 26, pp. 2690-2691.	
CD		Edwards, J.C.W., L. Szczepanski, J. Szechinski, A. Filipowicz-Sosnowska, P. Emery, D.R. Close, R.M. Stevens, and T. Shaw. "Efficacy of B-Cell-Targeted Therapy with Rituximab in Patients with Rheumatoid Arthritis." <i>The New England Journal of Medicine</i> 2004, vol. 350, no. 25, pp. 2572-2581.	
CE		Pandey, R.N., L.E. Davis, B. Anderson, and P.F. Hollenberg. "Photochemical linking of primary aromatic amines to carrier proteins to elicit antibody response against the amine haptens." <i>Journal of Immunological Methods</i> 1986, vol. 94, pp. 237-246.	
CF		Lambris, J.D., V.S. Ganu, S. Hiani, and H.J. Muller-Eberhard. "Mapping the C3d receptor (CR2)-binding site and a neoglycosylation site in the C3d domain of the third component of complement." <i>Proceedings of the National Academy of Sciences USA</i> 1985, vol. 82, pp. 4235-4239.	
CG		Frankel, A.E. "Antibody-Toxin Hybrids: A Clinical Review of Their Use." <i>Journal of Biological Response Modifiers</i> 1985, vol. 4, pp. 437-446.	
CH		Chaddock, J.A., L.M. Roberts, B. Jungnickel, and J. Michael Lord. "A hydrophobic region of ricin A chain which may have a role in membrane translocation can function as an efficient noncleaved signal peptide." <i>Biochemical and Biophysical Research Communications</i> 1995, vol. 217, no. 1, pp. 68-73.	
CI		Morris, K.M., and I.G. Wool. "Analysis of the contribution of an amphiphilic α -helix to the structure and to the function of ricin A chain." <i>Proceedings of the National Academy of Sciences USA</i> 1994, vol. 91, pp. 7530-7533.	
CJ		Kohler, H., G. Pavlinkova, K. Rajagopalan, H-T. Wang, S. Chatterjee, and B. Haley. "Specific photoaffinity-labeling locus on antibodies: use for chelation, protein conjugation and gene delivery." <i>Journal of Cellular Biochemistry Supplement</i> , Abstract T029, no. 18D, 1994, pp. 189.	

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NON PATENT LITERATURE DOCUMENTS			
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CK		Pavlinkova, G. K. Rajagopalan, S. Muller, A. Chavan, G. Sievert, D. Lou, C. O'Toole, B. Haley, and H. Kohler. "Site-specific photobiotinylation of immunoglobulins, fragments and light chain dimers." <i>Journal of Immunological Methods</i> 1997, vol. 201, pp. 77-88.	
CL		Miles, E.W. and R. S. Phillips. "Photoinactivation and Photoaffinity Labeling of Tryptophan Synthase $\alpha_2\beta_2$ Complex by the Product Analogue 6-Azido-L-tryptophan." <i>Biochemistry</i> 1985, vol. 24, pp. 4694-4703.	
CM		Rousselot, P., E. Mappus, T. Blachere, M. Rolland de Ravel, C. Grenot, C. Tonnelle, and C.Y. Culleron. "Specific Photoaffinity Labeling of Tyr-49 on the Light Chain in the Steroid-Combining Site of a Mouse Monoclonal Anti-Estradiol Antibody Using Two Epimeric 6 α - and 6 β -(5-Azido-2-nitrobenzoyl)amidoestradiol Photoagents." <i>Biochemistry</i> 1997, vol. 36, pp. 7860-7868.	
CN		Fleet, G.W.J., J.R. Knowles, and R.R. Porter. "The Antibody Binding Site: Labeling of a Specific Antibody Against the Photo-Precursor of an Aryl Nitrene." <i>Biochemistry Journal</i> 1972, vol. 128, pp. 499-508.	
CO		Lou, D. and H. Kohler. "Enhanced molecular mimicry of CEA using photoaffinity crosslinked C3d peptide." <i>Nature Biotechnology</i> 1998, vol. 16, pp. 458-462.	
CP		Demoliou, C.D. and R.M. Epand. "Synthesis and Characterization of a Heterobifunctional Photoaffinity Reagent for Modification of Tryptophan Residues and its Application to the Preparation of a Photoreactive Glucagon Derivative." <i>Biochemistry</i> 1980, vol. 19, pp. 4539-4546.	
CQ		Foxwell, B.M.J., W.C.J. Ross, and P.E. Thorpe. "Antibody-Ricin Conjugates: A Method of Linkage which Blocks the Galactose Binding Site of Ricin." <i>Behring Institute Mitteilungen</i> 1984, no. 74, pp. 101-107.	
CR		Tao, M-H. and R. Levy. "Idiotypic/granulocyte-macrophage colony-stimulating factor fusion protein as a vaccine for B-cell Lymphoma." <i>Nature</i> 1993, vol. 362, pp. 755-758.	
CS		Johnston, A. G.R. Auda, M.A. Kerr, M.W. Steward, and K. Whaley. "Dissociation of primary antigen-antibody bonds is essential for complement mediated solubilization of immune precipitates." <i>Molecular Immunology</i> 1992, vol. 29, no. 5, pp. 659-665.	
CT		Thorpe, P.E. and W.C.J. Ross. "The Preparation and Cytotoxic Properties of Antibody-Toxin Conjugates." <i>Immunological Review</i> 1982, vol. 62 pp. 119-158.	

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	CU	Zhao, Y., T.L. Brown, H. Kohler, and S. Muller. "MTS-conjugated anti-active caspase 3 antibodies inhibit actinomycin D-induced apoptosis." <i>Apoptosis</i> 2003, vol. 8, pp. 631-637.	
	CV	Hallbrink, M., A. Floren, A. Elmquist, M. Pooga, T. Bartal, U. Langel. "Cargo delivery kinetics of cell-penetrating peptides." <i>Biochimica et Biophysica Acta</i> 2001, vol. 1515, pp. 101-109.	
	CW	Soomets, U., M. Lindgren, X. Gallet, M. Hallbrink, A. Elmquist, L. Balaspin, M. Zorko, M. Pooga, R. Brasseur, U. Langel. "Deletion analogues of transportin." <i>Biochimica et Biophysica Acta</i> 2000, vol. 1467, pp. 165-176.	
	CX	Fischer, P.M., N.Z. Zhelev, S. Wang, J.E. Melville, R. Fahraeus, D.P. Lane. "Structure-activity relationship of truncated and substituted analogues of the intracellular delivery vector Penetratin." <i>Journal of Peptide Research</i> 2000, vol. 55, pp. 163-172.	
	CY	Lindberg, M., J. Jarvel, U. Langel, and A. Graslund. "Secondary Structure and Position of the Cell-Penetrating Peptide Transportin in SDS Micelles As Determined by NMR." <i>Biochemistry</i> 2001, vol. 40, pp. 3141-3149.	
	CZ	Li, Y., R. V. Rosal, P.W. Brandt-Rauf, and R.L. Fine. "Correlation between hydrophobic properties and efficiency of carrier-mediated membrane transduction and apoptosis of a p53 C-terminal peptide." <i>Biochemical and Biophysical Research Communications</i> 2002, vol. 298, pp. 439-449.	
	CA1	Zanetti, M. "Antigenized antibodies." <i>Nature</i> 1992, vol. 355, pp. 476-477.	
	CB1	Zaghoulani, H., S.A. Andersen, K.E. Sperber, C. Dahan, R.C. Kennedy, L. Mayer, and C.A. Bona. "Induction of antibodies to the human immunodeficiency virus type 1 by immunization of baboons with immunoglobulin molecules carrying the principal neutralizing determinant of the envelope protein." <i>Proceedings of the National Academy of Science USA</i> 1995, vol. 92, pp. 631-635.	
	CC1	Kang, C., H. Cheng, S. Rudikoff, and H. Kohler. "Idiotypic self binding of a dominant germline idiootype (T15)." <i>Journal of Experimental Medicine</i> 1987, vol. 165, pp. 1332-1343.	
	CD1	Yan, X., S.V. Evans, M.J. Kaminski, S.D. Gillies, R.A. Reisfeld, A.N. Noughton, and P.B. Chapman. "Characterization of an Ig V _H Idiotope That Results in Specific Homophilic Binding and Increased Avidity for Antigen." <i>The Journal of Immunology</i> 1996, vol. 157, pp. 1582-1588.	

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	CE1	Dempsey, P.H., M.E.D. Allison, S. Akkaraju, C.C. Goodnow, D.T. Fearon. "C3d of Complement as a Molecular Adjuvant: Bridging Innate and Acquired Immunity." Science 1996, vol. 271, pp. 348-350.	
	CF1	Antoni, G., R. Presentini, F. Perin, A. Tagliabue, P. Ghiara, S. Censini, G. Volpini, L. Villa, and D. Boraschi. "A short synthetic peptide fragment of human interleukin 1 with immunostimulatory but not inflammatory activity." The Journal of Immunology 1986, vol. 137, pp. 3201-3204.	
	CG1	Bhattacharya-Chatterjee, M., S. Mukerjee, W. Biddle, K.A. Foon, and H. Kohler. "Murine monoclonal anti-idiotypic antibody as a potential network antigen for human carcinoembryonic antigen." The Journal of Immunology 1990, vol. 145, pp. 2758-2765.	
	CH1	Foon, K., M. Chakraborty, W.J. John, A. Shehata, H. Kohler, and M. Bhattacharya-Chatterjee. "Immune Response to the Carcinoembryonic Antigen in Patients Treated with an Anti-Idiotypic Antibody Vaccine." Journal of Clinical Investigation 1995, vol. 96, pp. 334-342.	
	CI1	Kaminski, M.S., K. Kitamura, and D.G. Maloney, and R. Levy. "Idiotypic Vaccination Against Murin B cell Lymphoma. Inhibition of Tumor Immunity by Free Idiotypic Protein." The Journal of Immunology 1987, vol. 138, pp. 1289-1296.	
	CJ1	Abaza, M. and M.Z. Atassi. "Effects of Amino Acid Substitutions Outside an Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration with Region 94-100 (Antigenic Site 3) of Myoglobin." Journal of Protein Chemistry 1992, vol. 11, pp. 433-444.	
	CK1	Rojas, M. S. Yao, and Y.Z. Lin. "Controlling Epidermal Growth Factor (EGF)-stimulated Ras Activation in Intact Cells by a Cell-permeable Peptide Mimicking Phosphorylated EGF Receptor." The Journal of Biological Chemistry 1996, vol. 271, no. 44.	
	CL1	Gerstmayer, B., J. Altenschmidt, M. Hoffman, and W. Wels. "Costimulation of T Cell Proliferation by a Chimeric B7-2 Antibody Fusion Protein Specifically Targeted to Cells Expressing the erbB2 Proto-Oncogene." Journal of Immunology 1997, vol. 158, pp. 4584-4590.	
	CM1	Allison, J.C. "The Mode of Action of Immunological Adjuvants." Developments in Biological Standardization 1998, vol. 92, pp. 3-11.	

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